COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 85 (1991) 377–378
NORTH-HOLLAND

AUTHOR INDEX OF VOLUME 85*

Abboud, N.N., see Pinsky, P.M. (3) 311–348
Akhtar, M.N. and P.K. Basu, A new *p*-version general plate finite element (2) 219–236
Argyris, J., H. Balmer and I.St. Doltsinis, A simple but subtle model for the analysis of shell-like structures (1) 1–20

Balmer, H., see Argyris, J. (1) 1–20
Barbosa, H.J.C. and T.J.R. Hughes, The finite element method with Lagrange multipliers on the boundary: Circumventing the Babuška–Brezzi condition (1) 109–128
Basu, P.K., see Akhtar, M.N. (2) 219–236
Belytschko, T., see Lu, Y.Y. (1) 21–37
Borja, R.I., One-step and linear multistep methods for nonlinear consolidation (3) 239–272

Doltsinis, I.St., see Argyris, J. (1) 1–20
Droux, J.-J., Three-dimensional numerical simulation of solidification by an improved explicit scheme (1) 57–74
Dubois-Pelerin, Y., see Farhat, C. (3) 349–365

Farhat, C., K.C. Park and Y. Dubois-Pelerin, An unconditionally stable staggered algorithm for transient finite element analysis of coupled thermoelastic problems (3) 349–365

Hughes, T.J.R., see Barbosa, H.J.C. (1) 109–128

Jasti, R.V., see Pinsky, P.M. (2) 151–182

Liou, J., see Tezduyar, T.E. (2) 207–217
Liu, W.K., see Lu, Y.Y. (1) 21–37
Lu, Y.Y., T. Belytschko and W.K. Liu, A variationally coupled FE–BE method for elasticity and fracture mechanics (1) 21–37

Meissner, U. and H. Wibbeler, A least square principle for the a posteriori computation of finite element approximation errors (1) 89–108

Olson, M.D., see Zhong, Q. (2) 131–150

Park, K.C., see Farhat, C. (3) 349–365

* The issue number is given in front of the page numbers.

Pinsky, P.M. and N.N. Abboud, Finite element solution of the transient exterior structural acoustics problem based on the use of radially asymptotic boundary operators (3) 311 – 348
Pinsky, P.M. and R.V. Jasti, On the use of Lagrange multiplier compatible modes for controlling accuracy and stability of mixed shell finite elements (2) 151 – 182

Reissner, E., On asymptotic expansions for the sixth-order linear theory problem of transverse bending of orthotropic elastic plates (1) 75 – 88

Simo, J.C. and R.L. Taylor, Quasi-incompressible finite elasticity in principal stretches. Continuum basis and numerical algorithms (3) 273 – 310

Taylor, R.L., see Simo, J.C. (3) 273 – 310
Taylor, R.L., see Weissman, S.L. (1) 39 – 55
Tessler, A., A higher-order plate theory with ideal finite element suitability (2) 183 – 205
Tezduyar, T.E. and J. Liou, On the downstream boundary conditions for the vorticity-stream function formulation of two-dimensional incompressible flows (2) 207 – 217

Weissman, S.L. and R.L. Taylor, Four-node axisymmetric element based upon the Hellinger – Reissner functional (1) 39 – 55
Wibbeler, H., see Meissner, U. (1) 89 – 108

Zhong, Q. and M.D. Olson, Finite element – Algebraic closure analysis of turbulent separated-reattaching flow around a rectangular body (2) 131 – 150

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 85 (1991) 379–382
NORTH-HOLLAND

SUBJECT INDEX OF VOLUME 85*

Boundary element methods

A variationally coupled FE–BE method for elasticity and fracture mechanics, Y.Y. Lu, T. Belytschko and W.K. Liu (1) 21–37

Coupled problems

A variationally coupled FE–BE method for elasticity and fracture mechanics, Y.Y. Lu, T. Belytschko and W.K. Liu (1) 21–37
Three-dimensional numerical simulation of solidification by an improved explicit scheme, J.-J. Droux (1) 57–74

Elasticity

A least square principle for the a posteriori computation of finite element approximation errors, U. Meissner and H. Wibbeler (1) 89–108
A new *p*-version general plate finite element, M.N. Akhtar and P.K. Basu (2) 219–236
Quasi-incompressible finite elasticity in principal stretches. Continuum basis and numerical algorithms, J.C. Simo and R.L. Taylor (3) 273–310
An unconditionally stable staggered algorithm for transient finite element analysis of coupled thermoelastic problems, C. Farhat, K.C. Park and Y. Dubois-Pelerin (3) 349–365

Finite difference methods

A simple but subtle model for the analysis of shell-like structures, J. Argyris, H. Balmer and I.St. Doltsinis (1) 1–20

Finite element and matrix methods

A simple but subtle model for the analysis of shell-like structures, J. Argyris, H. Balmer and I.St. Doltsinis (1) 1–20
A variationally coupled FE–BE method for elasticity and fracture mechanics, Y.Y. Lu, T. Belytschko and W.K. Liu (1) 21–37
Four-node axisymmetric element based upon the Hellinger–Reissner functional, S.L. Weissman and R.L. Taylor (1) 39–55
Three-dimensional numerical simulation of solidification by an improved explicit scheme, J.-J. Droux (1) 57–74

* The issue number is given in front of the page numbers.

A least square principle for the a posteriori computation of finite element approximation errors, U. Meissner and H. Wibbeler (1) 89 – 108
The finite element method with Lagrange multipliers on the boundary: Circumventing the Babuška – Brezzi condition, H.J.C. Barbosa and T.J.R. Hughes (1) 109 – 128
Finite element – Algebraic closure analysis of turbulent separated-reattaching flow around a rectangular body, Q. Zhong and M.D. Olson (2) 131 – 150
On the use of Lagrange multiplier compatible modes for controlling accuracy and stability of mixed shell finite elements, P.M. Pinsky and R.V. Jasti (2) 151 – 182
A higher-order plate theory with ideal finite element suitability, A. Tessler (2) 183 – 205
On the downstream boundary conditions for the vorticity-stream function formulation of two-dimensional incompressible flows, T.E. Tezduyar and J. Liou (2) 207 – 217
A new *p*-version general plate finite element, M.N. Akhtar and P.K. Basu (2) 219 – 236
Finite element solution of the transient exterior structural acoustics problem based on the use of radially asymptotic boundary operators, P.M. Pinsky and N.N. Abboud (3) 311 – 348
An unconditionally stable staggered algorithm for transient finite element analysis of coupled thermoelastic problems, C. Farhat, K.C. Park and Y. Dubois-Pelerin (3) 349 – 365

Fluid mechanics

Three-dimensional numerical simulation of solidification by an improved explicit scheme, J.-J. Droux (1) 57 – 74
Finite element – Algebraic closure analysis of turbulent separated-reattaching flow around a rectangular body, Q. Zhong and M.D. Olson (2) 131 – 150
On the downstream boundary conditions for the vorticity-stream function formulation of two-dimensional incompressible flows, T.E. Tezduyar and J. Liou (2) 207 – 217

Fracture mechanics

A variationally coupled FE – BE method for elasticity and fracture mechanics, Y.Y. Lu, T. Belytschko and W.K. Liu (1) 21 – 37

Incompressible and near incompressible media

Finite element – Algebraic closure analysis of turbulent separated-reattaching flow around a rectangular body, Q. Zhong and M.D. Olson (2) 131 – 150
On the downstream boundary conditions for the vorticity-stream function formulation of two-dimensional incompressible flows, T.E. Tezduyar and J. Liou (2) 207 – 217

Least squares method

A least square principle for the a posteriori computation of finite element approximation errors, U. Meissner and H. Wibbeler (1) 89–108
The finite element method with Lagrange multipliers on the boundary: Circumventing the Babuška–Brezzi condition, H.J.C. Barbosa and T.J.R. Hughes (1) 109–128

Nonlinear mechanics

A simple but subtle model for the analysis of shell-like structures, J. Argyris, H. Balmer and I.St. Doltsinis (1) 1–20
One-step and linear multistep methods for nonlinear consolidation, R.I. Borja (3) 239–272
Quasi-incompressible finite elasticity in principal stretches. Continuum basis and numerical algorithms, J.C. Simo and R.L. Taylor (3) 273–310

Numerical solution procedures

Three-dimensional numerical simulation of solidification by an improved explicit scheme, J.-J. Droux (1) 57–74
The finite element method with Lagrange multipliers on the boundary: Circumventing the Babuška–Brezzi condition, H.J.C. Barbosa and T.J.R. Hughes (1) 109–128
One-step and linear multistep methods for nonlinear consolidation, R.I. Borja (3) 239–272
Finite element solution of the transient exterior structural acoustics problem based on the use of radially asymptotic boundary operators, P.M. Pinsky and N.N. Abboud (3) 311–348

Plasticity

A simple but subtle model for the analysis of shell-like structures, J. Argyris, H. Balmer and I.St. Doltsinis (1) 1–20
One-step and linear multistep methods for nonlinear consolidation, R.I. Borja (3) 239–272

Shells and plates

A simple but subtle model for the analysis of shell-like structures, J. Argyris, H. Balmer and I.St. Doltsinis (1) 1–20
On asymptotic expansions for the sixth-order linear theory problem of transverse bending of orthotropic elastic plates, E. Reissner (1) 75–88
On the use of Lagrange multiplier compatible modes for controlling accuracy and stability of mixed shell finite elements, P.M. Pinsky and R.V. Jasti (2) 151–182
A higher-order plate theory with ideal finite element suitability, A. Tessler (2) 183–205

Solutions of integral equations (singularity method)

A variationally coupled FE–BE method for elasticity and fracture mechanics, Y.Y. Lu, T. Belytschko and W.K. Liu (1) 21–37

Solutions of ordinary and partial differential equations

On asymptotic expansions for the sixth-order linear theory problem of transverse bending of orthotropic elastic plates, E. Reissner (1) 75–88

Structural mechanics

Four-node axisymmetric element based upon the Hellinger–Reissner functional, S.L. Weissman and R.L. Taylor (1) 39–55
A higher-order plate theory with ideal finite element suitability, A. Tessler (2) 183–205
A new *p*-version general plate finite element, M.N. Akhtar and P.K. Basu (2) 219–236

Systems of linear and nonlinear simultaneous equations

A simple but subtle model for the analysis of shell-like structures, J. Argyris, H. Balmer and I.St. Doltsinis (1) 1–20
Quasi-incompressible finite elasticity in principle stretches. Continuum basis and numerical algorithms, J.C. Simo and R.L. Taylor (3) 273–310

Thermal effects and thermodynamics

Three-dimensional numerical simulation of solidification by an improved explicit scheme, J.-J. Droux (1) 57–74

Viscous flow

Finite element – Algebraic closure analysis of turbulent separated-reattaching flow around a rectangular body, Q. Zhong and M.D. Olson (2) 131–150
On the downstream boundary conditions for the vorticity-stream function formulation of two-dimensional incompressible flows, T.E. Tezduyar and J. Liou (2) 207–217